

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-041281

(43)Date of publication of application : 12.02.1999

(51)Int.Cl.

H04L 12/56

H04L 1/14

H04L 29/08

(21)Application number : 09-191194

(71)Applicant : NEC CORP

(22)Date of filing : 16.07.1997

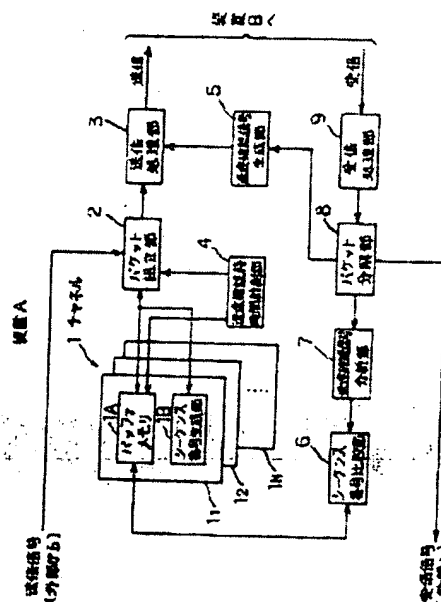
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(54) PACKET TRANSMISSION SYSTEM VIA CONFIRMATION OF CHANNEL-BASED TRANSMISSION

(57)Abstract:

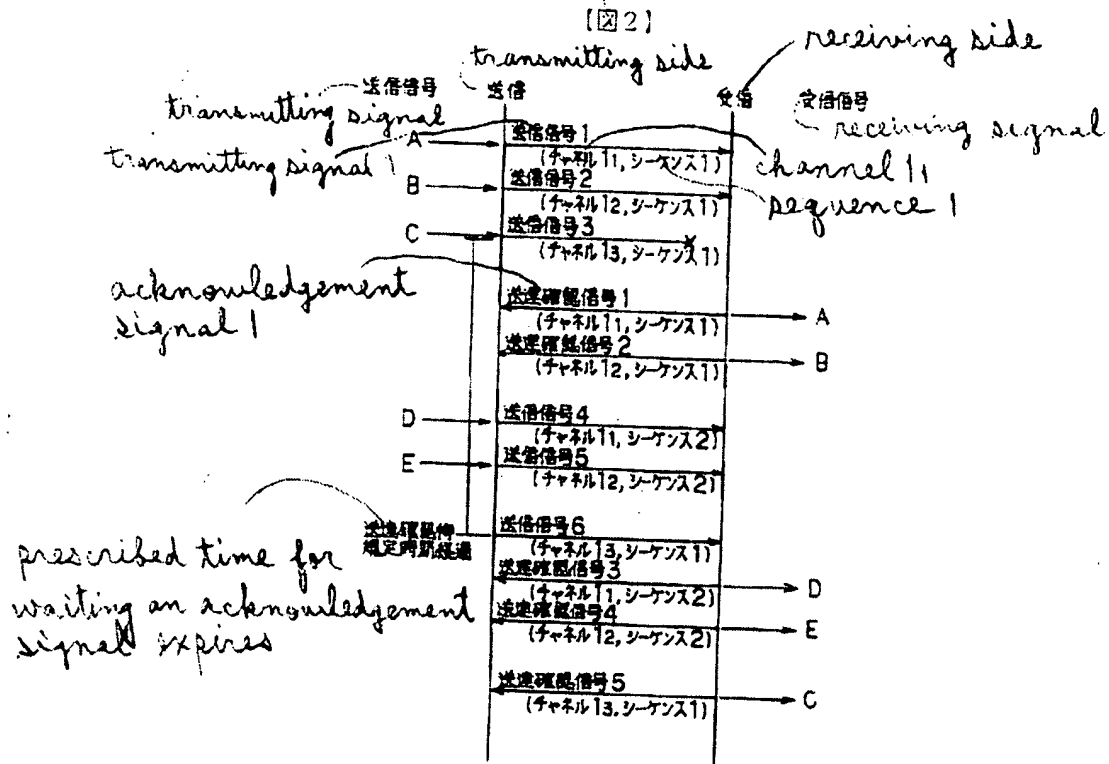
PROBLEM TO BE SOLVED: To improve the packet transmission efficiency and reliability by defining plural channels which contain the transmission buffer memories and the sequence number addition means and performing the confirmation of transmission of the transmitting packets and the retransmission of the packets whose transmission are not confirmed yet on every channel.

SOLUTION: The signals A, B and C are transmitted as the transmitting signals 1 to 3 (channels 11 to 13, sequence 1) by means of channels 11, 12 and 13. If the packets of signals 1 and 2 are transmitted to a device of the opposite party and the packet of the signal 3 is not transmitted yet, the reception is confirmed for the transmission confirmation signals of signals 1 and 2 and the relevant buffers are made vacant. When a prescribed waiting time passed for confirmation of transmission of the signal 3, the retransmission of the relevant packet is instructed. As the transmission/reception of packets and the confirmation of signals are carried out on every channel, other channels are not affected and also the wrong correspondence can be evaded between the transmitting signals and the transmission confirmation signals.



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Figure 2



[Translation of Figure 2]